



## ABNORMAL TEST RESULT

OF MODEL WDA30F

1. Did Cheese Cloth or Paper Glow?

No.

2. Did Ground Fuse Open?

No.

3. Dielectric breakdown?

No.

4. Other Results?

See the following pages .

( FMEA : 2/11 ~ 10/11)

( Abnormal Test Result: 11/11 ~ 11/11)

There was no emission of flame, molten metal, ignition of cheesecloth, dielectric breakdown, opening of the ground fuse, other indication of a shock or fire hazard.



## F M E A

Component	Mode	Comment	Output Voltage (V)
C101	Open	Normal operation.	AVR1:*
	Short	Fuse opend.No Hazard.	AVR1:0
C105	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C106	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C109	Open	No Hazard.	AVR1:decreased
	Short	Fuse opend.No Hazard.	AVR1:0
C111	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C112	Open	Normal operation.	AVR1:*
	Short	Fuse opend.No Hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	Fuse opend.No Hazard.	AVR1:0
C114	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C201	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C202	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C203	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C204	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased



## F M E A

Component	Mode	Comment	Output Voltage (V)
C205	Open	Normal operation.	AVR1:*
	Short	Fuse opend.No Hazard.	AVR1:0
C206	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C207	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C213	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C501	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C503	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C505 (Only -5)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C506	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C507 (Only -5, -12)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C512	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C515	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C516	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



## F M E A

Component	Mode		Comment	Output Voltage (V)
C601	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C602	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
C603	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D101	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D201	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:decreased
D202	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:decreased
D203	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D204	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D205	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D207	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0



## F M E A

Component	Mode		Comment	Output Voltage (V)
	Open	5	No Hazard.	AVR1:0
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:decreased
		2-3	No Hazard.	AVR1:decreased
		3-4	Fuse opend.No Hazard.	AVR1:0
		5-6	Fuse opend.No Hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	Fuse opend.No Hazard.	AVR1:0



## F M E A

Component	Mode		Comment	Output Voltage (V)
	Short	3-4	Normal operation.	AVR1:*
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
LED501	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC201	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
R101	Open		Normal operation.	AVR1:*
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*
R110	Open		Normal operation.	AVR1:*
R113	Open		Normal operation.	AVR1:*
R116	Open		No Hazard.	AVR1:0
R201	Open		No Hazard.	AVR1:0
R202	Open		Normal operation.	AVR1:*
R203	Open		No Hazard.	AVR1:0
R204	Open		Normal operation.	AVR1:*
R205	Open		Normal operation.	AVR1:*
R208	Open		No Hazard.	AVR1:0
R209	Open		No Hazard.	AVR1:0
R210	Open		Normal operation.	AVR1:*
R212	Open		No Hazard.	AVR1:0



## F M E A

Component	Mode		Comment	Output Voltage (V)
R214	Open		No Hazard.	AVR1:decreased
R215	Open		No Hazard.	AVR1:decreased
R216	Open		No Hazard.	AVR1:decreased
R217	Open		No Hazard.	AVR1:decreased
R230	Open		Normal operation.	AVR1:*
R501	Open		Normal operation.	AVR1:*
R502 (Only -48)	Open		Normal operation.	AVR1:*
R503	Open		Normal operation.	AVR1:*
R504 (Only -48)	Open		Normal operation.	AVR1:*
R506	Open		Normal operation.	AVR1:*
R509	Open		Normal operation.	AVR1:*
R513	Open		Normal operation.	AVR1:*
R514 (Only -48)	Open		Normal operation.	AVR1:*
R601	Open		Normal operation.	AVR1:*
R602	Open		Normal operation.	AVR1:*
R603	Open		Normal operation.	AVR1:*
R604	Open		Normal operation.	AVR1:*
R605	Open		No Hazard.	AVR1:0
R606	Open		No Hazard.	AVR1:0
R607	Open		No Hazard.	AVR1:decreased
R608 (Except:-48)	Open		Normal operation.	AVR1:*
R610	Open		Normal operation.	AVR1:*
R611	Open		No Hazard.	AVR1:0
SS101	Open	1	No Hazard.	AVR1:0



## F M E A

Component	Mode		Comment	Output Voltage (V)
	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Fuse open.No Hazard.	AVR1:0
		2-3	Fuse open.No Hazard.	AVR1:0
		3-4	Fuse open.No Hazard.	AVR1:0
SS501	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:decreased
		3	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:decreased
		2-3	No Hazard.	AVR1:decreased
SS502 (Only -5)	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:decreased
		3	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:decreased
		2-3	No Hazard.	AVR1:decreased
T201	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*





## F M E A

Component	Mode		Comment	Output Voltage (V)
	Open	10	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:decreased
		2-3	Fuse opend.No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		6 7-9 10	No Hazard.	AVR1:decreased
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 11.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 11.	
TR601	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
VR601	Open	brush	No Hazard.	AVR1:decreased
			No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:increased



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD202	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
ZD601 (Only -48)	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
ZD602	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
ZD603 (Only -48)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR201	Short	D-S	Fuse opened, No hazard.	AVR1:0
		G-D	Fuse opened, No hazard.	AVR1:0